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1635  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Mar Tormo *et al.*

Serial No.: 09/381,747

Filed: September 22, 1999

For: INHIBITION OF BCL-2 PROTEIN  
EXPRESSION BY LIPOSOMAL  
ANTISENSE  
OLIGODEOXYNUCLEOTIDES

Group Art Unit: 1635

Examiner: Karen LaCourciere

Atty. Dkt. No.: UTSC:550

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August 11, 2004

Date

David L. Parker

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

**MS AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

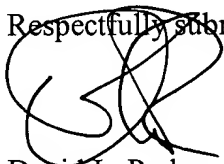
In accordance with 37 C.F.R. §§ 1.97(g), (h), this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be

construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

A fee as set forth in 37 C.F.R. § 1.17(p) in the amount of \$180.00 is enclosed herewith. If an appropriate check has not been enclosed, or if it is insufficient, the Commissioner is authorized to deduct the appropriate fee from Fulbright & Jaworski Account No.: 50-1212/UTSC:550.

Applicants respectfully request that the listed documents be made of record in the present case.

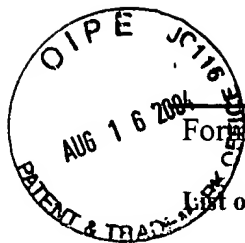
Respectfully submitted,



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List of Patents and Publications for Applicant's

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A72	5,641,662	6/24/97	Debs and Zhu	435	172.1	3/10/93
	A73	5,837,838	11/17/98	Reed and Xu	536	23.1	3/14/97
	A74	5,981,501	11/09/99	Wheeler <i>et al.</i>	536	44	6/07/95
	A75	5,989,912	11/23/99	Arrow <i>et al.</i>	435	375	12/15/98
	A76	6,030,954	2/29/00	Wu and Wu	514	44	6/02/95

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B23	WO 97/07784	3/06/97	PCT			English
	B24	WO 98/14172	4/09/98	PCT			English
	B25	WO 98/56905	12/17/98	PCT			English

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

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	C141	Agrawal <i>et al.</i> , "Antisense therapeutics: is it as simple as complementary base recognition," <i>Molecular Medicine Today</i> , 6:72-81, 2000.
	C142	Aisenberg, "Coherent view of non-Hodgkin's lymphoma," <i>J. Clin. Oncol.</i> , 13(10):2656-2675, 1995.
	C143	Baichwal and Sugden, "Vectors for gene transfer derived from animal DNA viruses: Transient and stable expression of transferred genes," <i>In</i> : Kucherlapati R, (ed.) <i>Gene transfer</i> . New York: Plenum Press, pp. 117-148, 1986.
	C144	Bangham <i>et al.</i> , "Diffusion of univalent ions across the lamellae of swollen phospholipids," <i>J. Mol. Biol.</i> , 13:238-252, 1965.
	C145	Benvenisty and Reshif, "Direction introduction of genes into rats and expression of the genes," <i>Proc. Nat'l Acad. Sci. USA</i> , 83:9551-9555, 1986.

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	C146	Chang <i>et al.</i> , "Foreign gene delivery and expression in hepatocytes using a hepatitis B virus vector," ABSTRACT, <i>Hepatology</i> , 14(4):124A, 1991.
	C147	Chen and Okayama, "High-efficiency transfection of mammalian cells by plasmid DNA," <i>Mol. Cell Biol.</i> , 7(8):2745-2752, 1987.
	C148	Chirila <i>et al.</i> , "The use of synthetic polymers for delivery of therapeutic antisense oligodeoxynucleotides," <i>Biomaterials</i> , 23:321-342, 2002.
	C149	Coffin, "Retroviridae: the viruses and their replication," In: <i>Virology</i> , Fields <i>et al.</i> (eds.), New York: Raven Press, pp. 1767-1847, 1996.
	C150	Cotter <i>et al.</i> , "Human Bcl-2 antisense therapy for lymphomas," <i>Biochimica et Biophysica Acta</i> , 1489:97-106, 1999.
	C151	Coupar <i>et al.</i> , "A general method for the construction of recombinant vaccinia virus expressing multiple foreign genes," <i>Gene</i> , 68:1-10, 1988.
	C152	Crystal, <i>Science</i> , 270:404-410, 1995.
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	C157	Friedman <i>et al.</i> , "CCAAT/enhancer-binding protein activates the promoter of the serum albumin gene in cultured hepatoma cells," <i>Genes &amp; Devel.</i> 3:1314-1322, 1989.
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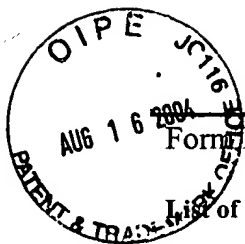
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	C168	Johnson <i>et al.</i> , "Patterns of survival in patients with recurrent follicular lymphoma: a 20-year study from a single center," <i>J. Clin. Oncol.</i> , 13(1):140-147, 1995.
	C169	Klein <i>et al.</i> , "High-velocity microprojectiles for delivering nucleic acids into living cells," <i>Nature</i> , 327:70-73, 1987.
	C170	Konopleva <i>et al.</i> , "Inhibition of Bcl-2 with liposomal P-ethoxy antisense oligonucleotides induces apoptosis in the presence of high level of Bcl-XL and is critically depending on baseline Bcl-2 levels in AML," <i>J. Amer. Soc. Hematology</i> , 92(10)Suppl. 1, Part 1 of 2, Abstract No. 2100, 1998.
	C171	Mann <i>et al.</i> , "Construction of a retrovirus packaging mutant and its uses to produce helper-free defective retrovirus," <i>Cell</i> , 33:153-159, 1983.
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	C176	Nicolas and Rubenstein, "Retroviral vectors," In: <i>Vectors: A survey of molecular cloning vectors and their uses</i> , Rodriguez and Denhardt, (eds.), Stoneham: Butterworth, pp. 494-513, 1988.
	C177	Paskind <i>et al.</i> , "Dependence of moloney murine leukemia virus production on cell growth," <i>Virology</i> , 67:242-248, 1975.
	C178	Palu <i>et al.</i> , "In pursuit of new developments for gene therapy of human diseases," <i>Biotech.</i> , 68:1-13, 1999.
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	C180	Pihl-Carey, "Disease drug fails in phase III," <i>BioWorld Today</i> , 10:1-2, 1999.
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	C182	Ridgeway, "Mammalian expression vectors," In: Rodriguez RL, Denhardt DT, (ed.) <i>Vectors: A survey of molecular cloning vectors and their uses</i> . Stoneham: Butterworth, pp. 467-492, 1988.
	C183	Rippe <i>et al.</i> , "DNA-mediated gene transfer into adult rat hepatocytes in primary culture," <i>Mol. Cell Biol.</i> , 10(2):689-695, 1990.
	C184	Stratford-Perricaudet and Perricaudet, "Gene transfer into animals: the promise of adenovirus," pp. 51-61, In: <i>Human Gene Transfer</i> , Eds, O. Cohen-Haguenaer and M. Boiron Editions John Libbey Exrotext, France, 1991.
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	C187	Tur-Kaspa <i>et al.</i> , "Use of electroporation to introduce biologically active foreign genes into primary rat hepatocytes," <i>Mol. Cell Biol.</i> , 6(2):716-718, 1986.
	C188	Verma <i>et al.</i> , <i>Nature</i> , 389:238-243, 1997.
	C189	Wagner <i>et al.</i> , "Antisense gene inhibition by pligonucleotides containing C5 propyne pyrimidines," <i>Science</i> , 260:1510-1513, 1993.
	C190	Wu and Wu, "Evidence for targeted gene delivery to Hep G2 hepatoma cells in vitro," <i>Biochemistry</i> , 27:887-892, 1988.
	C191	Wu and Wu, "Receptor-mediated <i>in vitro</i> gene transformations by a soluble DNA carrier system," <i>J. Biol. Chem.</i> , 262(10):4429-4432, 1987.
	C192	Yang <i>et al.</i> , "In vivo and <i>in vitro</i> gene transfer to mammalian somatic cells by particle bombardment," <i>Proc. Nat'l Acad. Sci. USA</i> , 87:9568-9572, 1990.
	C193	Zelenin <i>et al.</i> , "High-velocity mechanical DNA transfer of the chloramphenicolacetyl transferase gene into rodent liver, kidney and mammary gland cells in organ explants and in vivo," <i>FEBS Lett.</i> , 280(1):94-96, 1991.
	C194	Ziegler <i>et al.</i> , "Induction of apoptosis in small-cell lung cancer cells by an antisense oligodeoxynucleotide targeting the Bcl-2 coding sequence," <i>J. Nat'l Cancer Institute</i> , 89(14):1027-1036, 1997.

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